

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Zoology

Academic Year 2024-25

Date- 06/09/2024

NOTICE

All the students of B.Sc. I, II & III are hereby informed that the **Continuous Internal Evaluation (CIE)** for Semester I, III & V will be take place on 23/09/2024 to 28/09/24. Attendance is compulsory for all students. Also, note that students who are absent during this CIE will be responsible for any academic loss incurred. Ensure you are present and prepared for the evaluation.

Schedule Of Continuous Internal Evaluation (CIE)				
Class	Name Of Paper	Date Of Exam	Time	Block No.
B.Sc-I	Animal Diversity-I	23/09/2024	11.50-12.40 pm	41
	Cell Biology	24/09/2024		
B.Sc-II (Major)	Animal Physiology	23/09/2024	2.30-3.20 pm	26
	Evolution	24/09/2024		
B.Sc-II (Minor)	Biostatistics	23/09/2024	2.30-3.20 pm	13
	Ethology	24/09/2024		
B.Sc-III	Molecular Biology And Biotechniques	23/09/2024	10-11 am	26
	Animal Biotechnology	24/09/2024		
	Development Biology-I	25/09/2024		
	Development Biology-II	26/09/2024		

Dr. G. K. Sontakke

HEAD

**DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)**

"Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Zoology

B.Sc. Part- II Semester-III- ZOOLOGY (Major)

Continuous Internal Evaluation (CIE) September/October, 2024

Paper V & VI- Animal Physiology (DSC03ZOO31) and Evolution (DSC03ZOO32) Total Marks: 20

Attendance

Sr. No.	Roll No.	Name of the Student	Signature	
			Animal Physiology	Evolution
1	7849	Adagale Paras Charudatta	PARAS	PARAS
2	7850	Baraskar Aditi Satish	Ab	Ab
3	7851	Khot Vira Sachin	Vskhot	Vskhot
4	7852	Mane Pranoti Prakash	PPrane	PPrane
5	7853	Momin Shireen Sajid	Shirin	Shirin
6	7854	More Sanika Sanjay	Satmore	Satmore
7	7855	Nadaf Muskan Mohammad Rafiq	Muskan	Muskan
8	7856	Navale Rutuja Pradeep	RNavale	RNavale
9	7857	Patil Anushka Rajgonda	Anushka	Anushka
10	7858	Patil Gouri Vijay	G.V.Patil	G.V.Patil
11	7859	Patil Madhuri Sanjay	MPatil	MPatil
12	7860	Patil Sayali Ashok	SATIL	SATIL
13	7861	Patil Suhani Suraj	Spatil	Spatil
14	7862	Shirgave Rutuja Bajarang	Rutij.	Rutij.
15	7863	Todkar Shravani Sanjay	S.Todkar	S.Todkar
16	7864	Bariya Avinaben Vinodbhai	Avinaba	Avinaba
17	7865	Kamble Ketan Keraba	Ketan	Ketan
18	7866	Kamble Ratndip Rajaram	Ratnakamble	Ratnakamble
19	7867	Patil Dhananjay Anandrao	Dhan	Dhan
20	7868	Powar Yash Mahadev	Yash	Yash
21	7956	Chavan Sakshi Madhav	Sachavan	Sachavan
22	7957	Mane Sangramsingh Sandip	SM	SM
23	7958	Mahekar Pruthviraj Tatoba	Pruth	Pruth
24	7962	Kadre Dnyaneshwari Balaso	D.Kadre	D.Kadre

Present: 23

Absent: 01

Total: 24

Dr. G. K. Sontakke

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Answer

Key

"Dissemination of Education for Knowledge, Science and Culture"

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Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Zoology

B.Sc. Part- II Semester-III- ZOOLOGY DSC03ZO031 (Major)

Continuous Internal Evaluation (CIE) September/October, 2024

Paper- V Animal Physiology

Name of the Student:

Roll No:

Marks: 10

Q. 1. Select the correct alternative

[10]

- Human RBS's are.....
 - nucleated and biconvex
 - nucleated and rounded
 - oval and nucleated
 - ☒ biconcave and non-nucleated
- Blood is red in color due to
 - Cytochrome
 - chlorophyll
 - hemocynin
 - ☒ haemoglobin
- Duration of one heart beat in man is
 - ☒ 0.8 sec
 - 0.6sec
 - 0.2 sec
 - 0.5 sec
- Pacemaker of the heart is known as
 - ☒ S.A node
 - A.V. node
 - A.V. septum
 - Hensen's node
- Conduction of nerve impulses is faster in
 - Non-mylinated neuron
 - ☒ Mylinated neuron
 - Glial Cells
 - Schwann cells
- HCl in stomach secreted by
 - Leydig cells
 - ☒ Oxyntic cells or parietal cells
 - Both a and b
 - Peptic cells
- The enzymes present in pancreatic juice are
 - Amylase, Trypsinogen, Peptidase, Rennin
 - ☒ Trypsinogen, Lipase, Amylase, Procarboxypeptidase
 - Peptidase, Pepsin, Amylase, Rennin
 - Maltase, Amylase, Trypsinogen, Pepsin
- What is the primary function of the large intestine in digestion?
 - Nutrient absorption
 - ☒ Water absorption and feces formation
 - Protein digestion
 - Bile production
- The bunch of capillaries present in the Bowman's capsule is called -----
 - Paccinian corpuscle
 - ☒ Glomerulus
 - Malpighian capsule
 - None of these
- The smallest functional unit of kidney is -----
 - ☒ Nephron
 - Neuron
 - Glial cells
 - Hepatic cell

Name of the Student: Khot Virad SachinRoll No: 7851

Marks: 10

Q. 1. Select the correct alternative

[10]

1. Human RBS's are.....

- a. nucleated and biconvex
c. oval and nucleated

- b. nucleated and rounded
d. biconcave and non-nucleated

2. Blood is red in color due to

- a. Cytochrome b. chlorophyll

- c. hemocynin d. haemoglobin

3. Duration of one heart beat in man is

- a. 0.8 sec

- b. 0.6sec

- c. 0.2 sec

- d. 0.5 sec

4. Pacemaker of the heart is known as

- a. S.A node

- b. A.V. node

- c. A.V. septum

- d. Hensen's node

5. Conduction of nerve impulses is faster in

- a. Non-mylinated neuron
c. Glial Cells

- b. Mylinated neuron
d. Schwann cells

6. HCl in stomach secreted by

- a. Leydig cells
c. Both a and b

- b. Oxyntic cells or parietal cells
d. Peptic cells

7. The enzymes present in pancreatic juice are

- a. Amylase, Trypsinogen, Peptidase, Rennin
b. Trypsinogen, Lipase, Amylase, Procarboxypeptidase
c. Peptidase, Pepsin, Amylase, Rennin
d. Maltase, Amylase, Trypsinogen, Pepsin

8. What is the primary function of the large intestine in digestion?

- a. Nutrient absorption
b. Water absorption and feces formation
c. Protein digestion
d. Bile production

9. The bunch of capillaries present in the Bowman's capsule is called -----

- a. Paccinian corpuscle
c. Malpighian capsule

- b. Glomerulus
d. None of these

10. The smallest functional unit of kidney is -----

- a. Nephron

- b. Neuron

- c. Glial cells

- d. Hepatic cell

Name of the Student: Pranoti Prakash ManeRoll No: 7852

[10]

Q. 1. Select the correct alternative

1. Human RBS's are.....

- a. nucleated and biconvex
c. oval and nucleated

b. nucleated and rounded

☒ d. biconcave and non-nucleated

2. Blood is red in color due to

a. Cytochrome

b. chlorophyll

c. hemocynin

☒ d. haemoglobin

3. Duration of one heart beat in man is

☒ a. 0.8 sec

b. 0.6sec

c. 0.2 sec

d. 0.5 sec

4. Pacemaker of the heart is known as

☒ a. S.A node

b. A.V. node

c. A.V. septum

d. Hensen's node

5. Conduction of nerve impulses is faster in

- a. Non-mylinated neuron
c. Glial Cells

☒ b. Mylinated neuron
d. Schwann cells

6. HCl in stomach secreted by

- a. Leydig cells
c. Both a and b

☒ b. Oxyntic cells or parietal cells
d. Peptic cells

7. The enzymes present in pancreatic juice are

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d. Maltase, Amylase, Trypsinogen, Pepsin

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9. The bunch of capillaries present in the Bowman's capsule is called -----

- a. Paccinian corpuscle
c. Malpighian capsule
- ☒ b. Glomerulus
d. None of these

10. The smallest functional unit of kidney is -----

- ☒ a. Nephron
b. Neuron
c. Glial cells
d. Hepatic cell

Answer
Key

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Department of Zoology

B.Sc. Part- II Semester-III- ZOOLOGY DSC03ZOO32 (Major)

Continuous Internal Evaluation (CIE) September/October, 2024

Evolution

Name of the Student:

Roll No:

Marks: 10

Q. 1. Select the correct alternative

[10]

- 1) The change in heritable characteristics of biological populations over successive generations is called.....
☒ a) Evolution b) Ecology c) Ethology d) None of the above
- 2) conducted an experiment and proved the theory of chemical evolution.
☐ a) Lamarck b) Darwin ☒ c) Miller and Urey d) Mendel
- 3)Era is known as 'age of reptiles'.
☒ a) Mesozoic b) Paleozoic c) Cenozoic d) None of the above
- 4) New needs, use and disuse of organs, inheritance of acquired characters are postulates of
☐ a) Neo-Darwinism b) Darwinism ☒ c) Lamarckism d) None of the above
- 5) According to the..... world hypothesis, ribonucleic acid is the first genetic material in which all genetic information was stored and the first life had arisen from it.
☐ a) DNA ☒ b) RNA c) protein d) None of the above
- 6) The most accepted and widely used biological species concept is given by
☐ a) Linnaeus ☒ b) Ernst Mayr c) Mendel d) Darwin
- 7) The remains or prints of animals and plants buried in the rocks or earth crust is termed as
☐ a) Foot prints ☒ b) Fossils c) skeleton d) trace
- 8) is the fossil in which entire animal is preserved in plant resin.
☐ a) Petrification b) Moulds and cast ☒ c) amber d) tracks
- 9)speciation occurs when geographic isolation creates reproductive barrier
☐ a) Sympatric ☒ b) allopatric c) parapatric d) polypatric
- 10) Homologous organs show..... evolution from common ancestor.
☐ a) Convergent ☒ b) divergent c) adaptive d) macro

Name of the Student: PARAS G. ADAGALE

Roll No: 7849

Marks: 10

Q. 1. Select the correct alternative

[10]

- 1) The change in heritable characteristics of biological populations over successive generations is called.....
☒ a) Evolution b) Ecology c) Ethology d) None of the above
- 2) conducted an experiment and proved the theory of chemical evolution.
☒ a) Lamarck b) Darwin c) Miller and Urey d) Mendel
- 3)Era is known as 'age of reptiles'.
☒ a) Mesozoic ☒ b) Paleozoic c) Cenozoic d) None of the above
- 4) New needs, use and disuse of organs, inheritance of acquired characters are postulates of
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- 5) According to the..... world hypothesis, ribonucleic acid is the first genetic material in which all genetic information was stored and the first life had arisen from it.
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- 9)speciation occurs when geographic isolation creates reproductive barrier
☐ a) Sympatric ☒ b) allopatric c) parapatric d) polypatric
- 10) Homologous organs show..... evolution from common ancestor.
☒ a) Convergent b) divergent ☒ c) adaptive d) macro

Name of the Student: Khot Vira SachinRoll No: 7851

Marks: 10

Q. 1. Select the correct alternative

[10]

- 1) The change in heritable characteristics of biological populations over successive generations is called.....
☒ a) Evolution ☐ b) Ecology ☐ c) Ethology ☐ d) None of the above
- 2) conducted an experiment and proved the theory of chemical evolution.
☐ a) Lamarck ☐ b) Darwin ☒ c) Miller and Urey ☐ d) Mendel
- 3)Era is known as 'age of reptiles'.
☒ a) Mesozoic ☐ b) Paleozoic ☐ c) Cenozoic ☐ d) None of the above
- 4) New needs, use and disuse of organs, inheritance of acquired characters are postulates of
☐ a) Neo-Darwinism ☐ b) Darwinism ☒ c) Lamarckism ☐ d) None of the above
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☐ a) Sympatric ☒ b) allopatric ☐ c) parapatric ☐ d) polypatric
- 10) Homologous organs show.....evolution from common ancestor.
☐ a) Convergent ☒ b) divergent ☐ c) adaptive ☐ d) macro
